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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>
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COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	34.524	3.211	2.578	1.121	0.725	1.846	3.551	3.305	2.782	2.838	Continuing	Continuing
S910: <i>SOF Tactical Vehicles</i>	34.524	3.211	2.578	1.121	0.725	1.846	3.551	3.305	2.782	2.838	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element provides for the development and testing of a variety of incremental upgrades to Special Operations Forces (SOF) Vehicles and ancillary equipment. Current SOF tactical vehicles include: Lightweight Tactical All Terrain Vehicles (Light), Ground Mobility Vehicles (Medium), Non-Standard Commercial Vehicles (Commercial) for use in tactical missions, and Mine Resistant Ambush Protected Vehicles (Heavy). The SOF mission mandates that SOF vehicles remain technologically superior, operate in multiple environments and be able to meet any threat to provide a maximum degree of survivability.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	3.316	2.578	2.624	-	2.624
Current President's Budget	3.211	2.578	1.121	0.725	1.846
Total Adjustments	-0.105	0.000	-1.503	0.725	-0.778
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.105	-			
• Other Adjustments	-	-	-1.503	0.725	-0.778

Change Summary Explanation

Funding:

FY 2017: Decrease of -\$0.105 million is due to the transfer of funds to Small Business Innovative Research/Small Business Technology Research Transfer programs.

FY 2018: None.

FY 2019: Net decrease of \$1.503 million is due to a Departmental economic assumption adjustment decrease of \$0.022, a reduction of \$1.481 million to account for the availability of prior year execution balances.

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FY 2019 OVERSEAS CONTINGENCY OPERATIONS FUNDING: Increase of \$0.725 million provides for the design/development, integration, and testing of Remote Weapons Station (RWS) for the deployed GMV 1.1s at multiple locations.		
Schedule: None.		
Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2019 United States Special Operations Command										Date: February 2018		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160480BB / SOF Tactical Vehicles				Project (Number/Name) S910 / SOF Tactical Vehicles			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
S910: SOF Tactical Vehicles	34.524	3.211	2.578	1.121	0.725	1.846	3.551	3.305	2.782	2.838	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Family of Special Operations Vehicles (FSOV) project develops, tests, and evaluates SOF Tactical Vehicles and associated modifications. The Special Operations Forces (SOF) mission mandates that SOF vehicles remain technologically superior, operate in multiple environments and be able to meet any threat to provide a maximum degree of survivability. The current family of SOF tactical vehicles include: individual mobility vehicles, light mobility vehicles, medium mobility vehicles, non-standard commercial vehicles, and heavy mobility vehicles.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: FSOV	3.211	2.578	1.121	0.725	1.846
Description: Specific efforts include but are not limited to: Ground Mobility Vehicle (GMV) Medium Version 1.1 effort which provides for a medium vehicle variant capable of meeting specific requirements of internal aircraft transport on the C/MH-47, engineering costs related to performance, endurance, safety testing, integration and logistical analysis of product samples, and Engineering Change Proposal (ECPs) associated with the Non-Standard Commercial Vehicle (NSCV), the Lightweight Tactical All Terrain Vehicle (LTATV). These ECPs will address any identified safety, reliability, and performance concerns. Finally, funding will be used to support vehicle signature reduction efforts.					
FY 2018 Plans: Continue design/development and integration of ECPs that implement incremental upgrades and improve the design of the LTATV, GMV 1.1, and NSCV, to include a C4 effort to incorporate a Chairman of the Joint Chiefs of Staff directed Global Positioning Satellite (GPS) upgrade to M-Code. Continue safety, reliability, performance, and operational testing of multiple variants of NSCV from the new contract.					
FY 2019 Base Plans: Continues design/development and integration of ECPs that implement incremental upgrades and improve the design of the LTATV, GMV 1.1, and NSCV. Efforts will include next-generation cards based radio integration design and testing on the GMV 1.1 and NSCV. Completes safety, reliability, performance, and operational testing of multiple variants of NSCV from the new contract.					
FY 2019 OCO Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2019 United States Special Operations Command			Date: February 2018
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>	Project (Number/Name) S910 / <i>SOF Tactical Vehicles</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Provides design/development, integration, and testing of Remote Weapons Station (RWS) for the deployed GMV 1.1s at multiple locations. <i>FY 2018 to FY 2019 Increase/Decrease Statement:</i> Net decrease of \$0.732 million: Base decrease of \$1.457 million is due to a department economic assumption adjustment (decrease of \$0.022 million), a reduction to account for the availability of prior year execution balances (decrease of \$1.435 million) and additional Overseas Contingency Operations funding of \$0.725 million for the development and testing of lifecycle/durability/environmental improvements for the Non-standard Commercial Vehicle.					
Accomplishments/Planned Programs Subtotals	3.211	2.578	1.121	0.725	1.846

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019 Base</u>	<u>FY 2019 OCO</u>	<u>FY 2019 Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• PROC/0204TACVEH: <i>Tactical Vehicles</i>	74.169	101.831	88.608	59.891	148.499	76.192	37.684	28.696	29.270	Continuing	Continuing

Remarks

D. Acquisition Strategy

Apply SOF-Peculiar modifications to service common or Commercial Off The Shelf (COTS) vehicles whenever possible. Otherwise, incorporate purpose-built, Non-Developmental Item, or modified COTS vehicles if/when service solution is unavailable.

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>	Project (Number/Name) S910 / <i>SOF Tactical Vehicles</i>
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Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FSOV GMV 1.1 Capability Enhancements / ECP Development	Various	Various : Various	11.740	0.545	Jul 2017	0.689	Jun 2018	0.336	Feb 2019	-		0.336	Continuing	Continuing	-
FSOV NSCV Capability Enhancements / ECP Development	Various	Various : Various	0.807	0.060	Jul 2017	1.294	Jun 2018	0.335	Apr 2019	-		0.335	Continuing	Continuing	-
FSOV LTATV Capability Enhancements / ECP Development	Various	Various : Various	0.381	0.539	Aug 2017	0.595	Jun 2018	-		-		-	Continuing	Continuing	-
FSOV GMV 1.1 and NSCV Survivability Enhancement/ Improvement Efforts	Various	Various : Various	-	0.033	Jul 2017	-		0.200	Jun 2019	-		0.200	Continuing	Continuing	-
FSOV GMV 1.1 Capability Enhancements / ECP Development (OCO)	Various	Various : Various	-	-		-		0.000		0.725	Mar 2018	0.725	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	0.385	-		-		-		-		-	Continuing	Continuing	-
Subtotal			13.313	1.177		2.578		0.871		0.725		1.596	Continuing	Continuing	N/A

Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FSOV GMV 1.1 Medium ECP Development & C4 Integration	C/FFP	General Dynamics - OTS : St. Petersburg, FL	0.925	-		-		-		-		-	Continuing	Continuing	-
FSOV LTATV ECP	C/FFP	Polaris Defense : Minneapolis, MN	0.187	-		-		-		-		-	Continuing	Continuing	-
FSOV NSCV ECP	MIPR	HQ USSOCOM : Tampa, FL	0.500	-		-		-		-		-	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	3.910	-		-		-		-		-	Continuing	Continuing	-
Subtotal			5.522	-		-		-		-		-	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 United States Special Operations Command **Date:** February 2018

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>	Project (Number/Name) S910 / <i>SOF Tactical Vehicles</i>
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Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FSOV GMV 1.1 Medium Initial Operational Test and Evaluation (IOT&E)	MIPR	Nevada Automotive Test Center : Carson City, NV	0.447	-		-		-		-		-	Continuing	Continuing	-
FSOV GMV 1.1 Test Support	MIPR	Nevada Automotive Test Center : Carson City, NV	0.112	-		-		-		-		-	Continuing	Continuing	-
GMV 1.1 Test and Evaluation Validation Efforts (Automotive, C4I, Ballistics, Operator Events)	Various	Various : Various	-	0.339	Apr 2017	-		0.000		-		0.000	Continuing	Continuing	-
NSCV Test and Evaluation Validation Efforts (Automotive, C4I, Ballistics, Operator Events)	Various	Various : Various	-	1.695	Nov 2016	-		0.250	Dec 2018	-		0.250	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	15.130	-		-		-		-		-	Continuing	Continuing	-
Subtotal			15.689	2.034		-		0.250		-		0.250	Continuing	Continuing	N/A

	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	34.524	3.211	2.578	1.121	0.725	1.846	Continuing	Continuing	N/A

Remarks

*** PLEASE ADD COSTS OR ENTER REMARKS ***

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 United States Special Operations Command

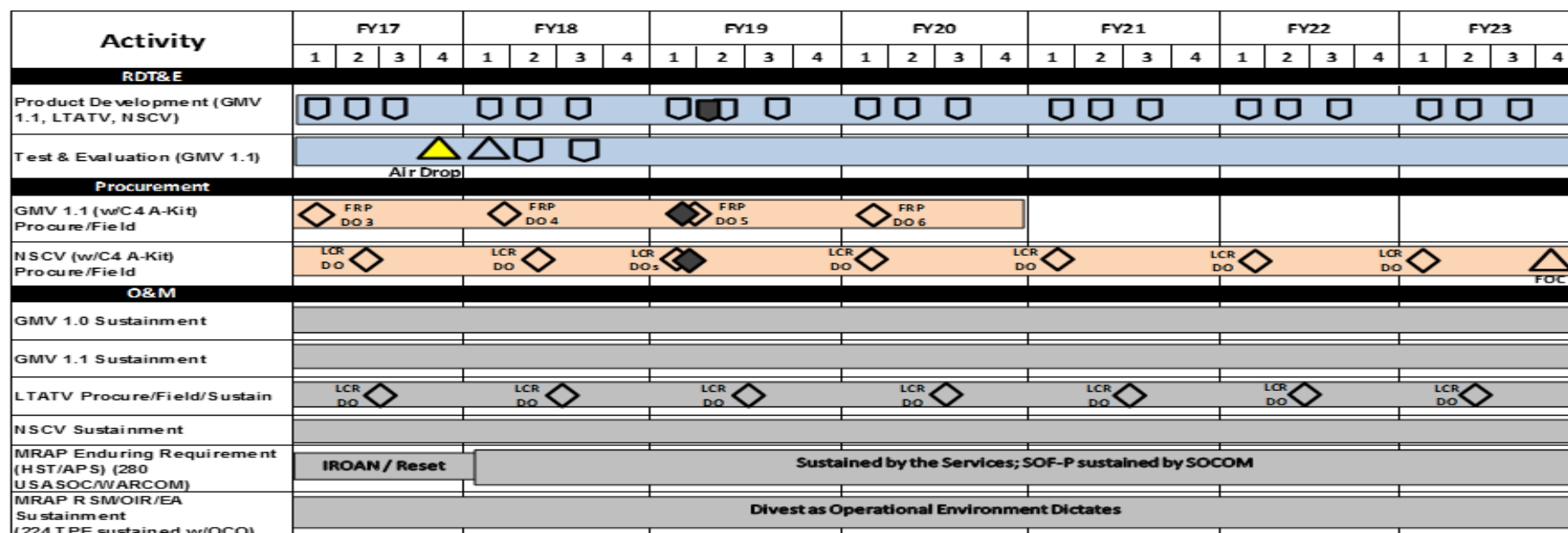
Date: February 2018

Appropriation/Budget Activity
0400 / 7

R-1 Program Element (Number/Name)
PE 1160480BB / SOF Tactical Vehicles

Project (Number/Name)
S910 / SOF Tactical Vehicles

FSOV Schedule



Production Award
 RDT&E Award
 Major Event
 Previously Reported
 RDT&E
 Procurement
 O&M
 OCO

FOC - Full Operational Capability
 IOT&E - Initial Operational Test & Evaluation
 LCR DO - Life Cycle Replacement Delivery Order
 MSC - Milestone C

FRP DO - Full Rate Production Delivery Order
 IROAN - Inspect & Repair Only As Necessary
 LRIP DO - Low Rate Initial Production Delivery Order
 NSCV - Non Standard Commercial Vehicle

GMV - Ground Mobility Vehicle
 LTATV - Light Tactical All Terrain Vehicle
 MRAP - Mine Resistant Ambush Protected
 SOFP - Special Operation Force Peculiar

IOC - Initial Operational Capability

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 United States Special Operations Command	Date: February 2018
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Family of Special Operations Vehicles (FSOV)</i>				
Product Development (GMV 1.1, LTATV, NSCV)	1	2017	4	2023
Test & Evaluation (GMV 1.1)	1	2017	4	2023